

CLAIMS

1. A refrigerator comprising a housing which is constituted of at least two housing parts (2; 3), amongst them a body (2) and at least one door (3), said housing enclosing a heat-insulated interior compartment, and comprising a door safety catch (1) that includes a catch element (7) swivellably mounted against a restoring force on a first housing part (2; 3) and a projection (12) mounted on a second housing part (2; 3) and cooperating with the catch element (7), characterised in that a shaft (10) about which the catch element (7) can be swivelled is mounted in the first housing part (3) while crossing a side wall (17) of the first housing part (3).
2. The refrigerator according to claim 1, characterised in that a section (20) of the shaft (10) engaging in the first housing part (3) is received by a shank (18) which projects from the side wall (17) of the housing part (3) into the housing part (3).
3. The refrigerator according to any one of the preceding claims, characterised in that one housing part is the door (3).
4. The refrigerator according to any one of the preceding claims, characterised in that the side wall is an upper or lower end profile (17) of the door (3).
5. The refrigerator according to any one of the preceding claims, characterised by a spring (8) for producing the restoring force on the catch element (7).
6. The refrigerator according to claim 5, characterised in that the spring (8) is a compression spring.
7. The refrigerator according to claim 5, characterised in that the spring (8) is a torsion spring wrapped around the shaft (10).

8. The refrigerator according to any one of the preceding claims, characterised in that the shaft (10) is a screw.
9. The refrigerator according to any one of the preceding claims, characterised by a housing (9) which accommodates the catch element (7).
10. The refrigerator according to any one of claims 5 to 7 with claim 9, characterised in that the spring (8) is accommodated in the housing (9).
11. The refrigerator according to claim 9 or claim 10, characterised in that the door (3) can be mounted on the body (2) so that it is hinged on the right or on the left as desired and that the housing (9) can be mounted on the door (3) in two orientations twisted relative to one another through 180°.
12. The refrigerator according to claim 11 characterised in that the housing is composed of two half shells (23, 24) which are a mirror image of one another.
13. The refrigerator according to any one of the preceding claims, characterised in that the projection (12) comprises two sloping faces (13, 14) facing away from one another to cooperate with the catch element (7).
14. The refrigerator according to claim 13, characterised in that that one (13) of the sloping faces (13, 14) in contact with the catch element (7) when the door is closed is at a larger angle ( $\alpha$ ) to the direction of movement of the door (3) than the other sloping face (14).
15. The refrigerator according to any one of the preceding claims, characterised in that the projection (12) is formed by a tab projecting from the body (2).
16. The refrigerator according to any one of the preceding claims, characterised in that the projection (12) is fixed on a door bearing (4) attached to the body (2).

17. The refrigerator according to any one of the preceding claims, characterised in that the catch element (7) comprises two sloping faces (15, 16) facing away from one another to cooperate with the projection (12).
18. The refrigerator according to claim 13, characterised in that that one (15) of the sloping faces (15, 16) in contact with the projection (12) when the door is closed is at a larger angle ( $\alpha$ ) to the direction of movement of the door (3) than the other sloping face (14).